

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

EINGEGANGEN - 9. Juni 2004

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 26 015	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/000609	International filing date (day/month/year) 26/01/2004	(Earliest) Priority Date (day/month/year) 24/01/2003
Applicant TRUMPF, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1a, 1b

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☒ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2004/000609

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An optical fibre includes a radial axis, a longitudinal axis, a first window surface adapted for receiving pump radiation and transmitting the pump radiation into the optical fibre, a second surface adapted for totally internally reflecting pump radiation received within the optical fibre, and an active region within the optical fibre for generating radiation at a characteristic wavelength when pumped with pump radiation. A normal direction of the first window surface is not parallel to a direction of the radial axis at the first window surface.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01S3/067 G02B5/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01S G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 370 297 B1 (HAKIMI FARHAD ET AL) 9 April 2002 (2002-04-09) ✓ the whole document	1-29
A	US 5 887 009 A (GARRETT MARK H ET AL) ✓ 23 March 1999 (1999-03-23) the whole document	1-29
A	US 2002/197037 A1 (KERSEY ALAN D ET AL) ✓ 26 December 2002 (2002-12-26) the whole document	1-29
A	US 6 157 763 A (WELCH DAVID F ET AL) ✓ 5 December 2000 (2000-12-05) the whole document --- -/--	1-29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

30 April 2004

Date of mailing of the international search report

04/06/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 864 645 A (BONSE JOERN ET AL) 26 January 1999 (1999-01-26) the whole document -----	1-29
A	US 5 854 865 A (GOLDBERG LEW) 29 December 1998 (1998-12-29) the whole document -----	1-29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/000609

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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